Network Control Center

STDN DAILY REPORT
FOR GMT DAYS
29, 30 AND 31 MARCH , 2001
01 APRIL , 2001

Part I. Operations

29 March

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies - None.

30 March

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies

1. WGS/EO-1 Support 30/0222-0235Z

At the scheduled time, the Master-2 sent out a request to schedule the equipment for support. Everything was scheduled except for the SCC. Had to schedule the SCC (11m antenna) manually for the support. Took the pass without any other problems. Following the support, rebooted the Master-2. Will see if it works for the next support. Prior to the EO-1 support, scheduling sent a schedule to Master-2 approximately 30 minutes prior to the EO-1 support. TTR # 23789 CDS # 18418

11 Meter 0222-0235Z 13 Minutes service loss

2. SGS/EO-1 Support 30/1549-1600Z

At AOS + approx. 2min the PTP control GUI crashed. We did not see any connection with EO1 MOC on the commanding socket. Tried to reconnect, and the PTP GUI froze. The operator was unable to regain control, and no data monitoring were available. The PTP was found to be low on virtual memory, and it was re-powered after the support. TTR # 23790 CDS ID# 18419

11M 1547-1600Z 11 Mins. Service Loss Data Loss Unknown

F. NAM 528 canceling NAM 377 NCC Data Base Modification for Processing Schedule Add Requests DTG 31/1848Z August 1998 was issued.

31 March

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies

1. SGS/QST Support 31/0038-0053Z

The SCC started printing messages about "MSG Send: Failed pid xx to pid xx mid Qid(h)...." the only solution is to restart the SCC S/W, because the SCC is impossible to control. The operator tried to catch up with S/C after the restart, with no luck. After the S/W was restarted, the messages continued to flow. We had to reboot SCC to get rid of the problem. What seems to be the problem, is this: when the ATS transferee the schedule to the SCC, the SCC is too busy to handle the schedule properly. TTR # 23791 CDS # 18425

11 Meter 15 Minutes Service Loss

2. AGS/FAST Support 31/1557-1603Z

At AOS the antenna drove down into limits, turning autotrack off did not fix it because the antenna was in interlock. When the antenna was manually cranked up at the pedestal it started tracking again. Autotrack was turned back on once the antenna was tracking again. One command was received before the station was Go for Command. TTR # 23792 CDS ID# 18426

TOTS-1 1557-1618Z 6 Mins. 35 Secs Service/Data Loss Non-Recoverable

F. NAM 529 Open IONET DNS Server Outage and NAM 530 WSC Software/Firmware Configuration were issued.

01 APRIL

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies

1. WGS/SAMPEX Support 01/0835-0844Z

This is the same problem that has occurred two other times in the past 2 weeks where everything appears nominal during the pass except for not receiving commands, and at the end of the pass PAC # 1 has no data. A playback of PAC 2 has the data and playback is completed with no problem. It appears that when this happens the work station sockets have to be shut down manually. TTR # 23793 CDS # 18429

TOTS 9 Mins Service Loss.

2. AGS/EO-1 Support 01/1903-1913Z

In preparation for the support, the AMPEX tapes were checked over for readiness and reported to be forty-four percent used

and loaded. When the X band data was commanded on, the recorded windows on the SCC displayed record and stop in an alternating cycle of about five seconds. The actual usage of the AMPEX tapes was one hundred percent. The MOC suggested loading new tapes. TTR # 23794 CDS ID # 18430

11 METER 1901-1913Z 9 Min. 40 Sec. Svc/Data Loss (Non-Recov)

F. NAM 531 TDRS Handover (Revision). The purpose of this NAM is to notify the SN Users of TDRS configuration change activity. This NAM cancels NAM 526.

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test:

1. AN Engineering Test WITH JASON-1 POCC AND PLE/WFF — 27/1700-1900Z — PLE/WFF/MOSA/ NISN/JASON-1 POCC/ JPL

Objectives:
To continue with the JASON-1 proficiency testing between the JASON-1 POCC and the LEO-Ts at PKR and WPS.

Results: Objective Not Met.

Remarks:
The test was cancelled due to the JASON-1 POCC having a conflict of resources with this proficiency test and testing with the CNES simulator. The test will be re-scheduled for the following week.

2. R/T TDRS SPACECRAFT HANDOVER FROM GRGT TO DGS — 29/1600-2359Z — DGS/OAS/ MOSA/ NISN/ GRGT/ WSC

Objectives:

A. Verify that OAFB and DGS stations can successfully perform a TDRS handover by supporting command and telemetry interfaces via the GRGT/WSGT.

B. Exercise GRGT local operations procedures reference Volume 5 Book 4 Procedure 4.26. Handover TO/FROM GSTDN.

Results: Objective Not Met.

Remarks:

The test was cancelled due to a scheduling conflict between two entities.

3. PF1 Aqua GSIF Data Interface Test	29/1700-1900Z	PF1/GSIF (Gilmore Creek)/(EDOS/ GSIF/LZPF)/NCC/ NISN

Objectives:

A. Verify the PF1 X-band configuration and capability to send Aqua spacecraft telemetry data to the GSIF.

B. Verify the GSIF configuration and capability to send Aqua spacecraft telemetry data to the EDOS GSIF.

C. Verify the EDOS GSIF configuration and capability to send Aqua spacecraft telemetry data to the LZPF.

D. Verify the EDOS LZPF capability to receive and process the PF1 Aqua X-band telemetry data.

Results: Objective Partially Met.

Remarks:

A. HR line #2 that is assigned to PF1 was inoperative and PF1 data was sent to the GSIF at Gilmore Creek on AGS HR line #1.

B. PF1 successfully sent Landsat7 and BER telemetry data to the GSIF at Gilmore Creek. The Aqua telemetry data could not be sent to the GSIF at Gilmore Creek. The clock frequency was unstable on this data. The PF1 OPS Engineer reported a variation between 147 MB and 150 MB. This may have caused the MoDem to reject the data.

C. An attempt to flow Terra telemetry data was unsuccessful.
D. The PF1 OPS Engineer continued the testing effort with Gilmore Creek after test termination and will provide an additional report later today.
E. The PF1 Aqua test tape will be returned to S. Nickens for a data analysis. A previous test with AGS using this tape data source did return data, but many dropouts were noted.
F. This test will be rescheduled when another telemetry data source is available or the tape problem is resolved.

Part III. Equipment Status Changes - None.

$ = Changed ETRO
** = New Items

Part IV. Scheduled Activities:

STS-100 Data Flow w/JSC 02/1700-2100Z

Part V. Launch Forecast Changes:

* 1.) U7902LS (SOYUZ/ISS 2S) 118 28 APR.,2000 T-0 = UNKNOWN